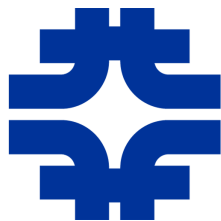


MTA Update

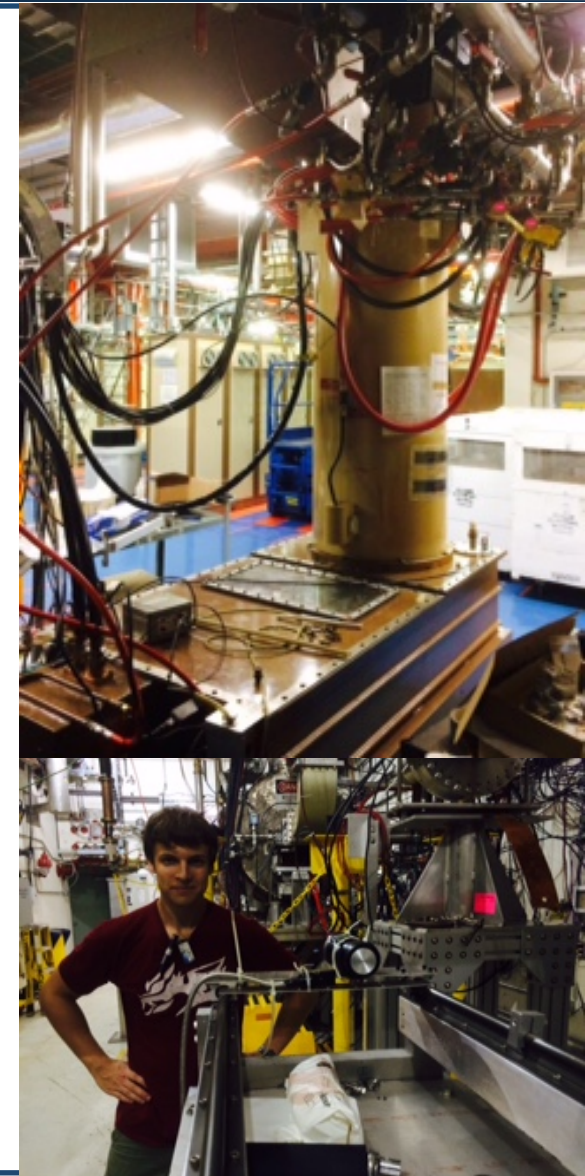


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MAP Weekly Meeting
FNAL – Aug 21, 2015

- Infrastructure
 - 201-MHz driver service
 - 805-MHz klystron, modulator commissioning complete
 - chiller repaired
 - clean room service done
 - overhead lights replaced
 - exp. hall monitoring front-end repair
 - oscilloscope repairs (1 back, 1 in progress)
 - water, power outages
- HPRF
 - mechanical repairs, preparing for next run
- Modular Cavity
 - running since Monday!
 - no longer limited by klystron power
 - report by A. Kochemirovskiy
- MICE
 - on standby (detector reconfiguration in progress)
- Detectors
 - energy calibration with cosmics, radioactive sources (A. Kochemirovskiy)
 - small scintillator counter rebuilt for use with Modular Cavity (K. Yonehara)





- H2-safe readout updated (D. Peterson)
 - cavity temperature, waveguide pressure added
- Repairs performed (T. Anderson, B. Freemire, K. Yonehara)
 - old seals not adequate at high pressure
 - cavity removed from hall
 - seized bolts replaced
 - new seals designed, fabricated, installed
- Pressure test next week
- New coupler fabrication (for beam test) complete (A. Moretti)
- Publication under review for the rest of the beam test data (B. Freemire)

- Infrastructure
 - need to retrain solenoid
 - power outage next week
 - klystron to be replaced
- HPRF
 - pressure test (next week), run (Sep)
- Modular Cavity
 - finish initial B=0T run (next week), inspect interior
 - Be plate procurement in progress (D. Bowring)
- MICE
 - vacuum system service before next run
 - explore dark current with new detector configuration
- Contingent on availability of RF sources, tech labor
- Fermilab accelerator complex shutdown (Jul-Oct)
 - limited access to resources
 - power outages and other interruptions
- Analysis/documentation effort continuing
 - detector calibration
 - HPRF PRST-AB